

## TENT COOPERATION TREA Y

To:



#### From the INTERNATIONAL BUREAU

#### PCT

#### **NOTIFICATION OF ELECTION**

(PCT Rule 61.2)

**Assistant Commissioner for Patents United States Patent and Trademark Box PCT** 

Washington, D.C.20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 30 November 1999 (30.11.99)

in its capacity as elected Office

International application No. PCT/US99/04412

Applicant's or agent's file reference 183-109(PCT)

International filing date (day/month/year) 01 March 1999 (01.03.99)

Priority date (day/month/year) 17 March 1998 (17.03.98)

**Applicant** 

MARGOLIN, Solomon, B.

1.	The designated Office is hereby notified of its election made:	
	X in the demand filed with the International Preliminary Examining Authority on:	
	18 October 1999 (18.10.99)	
	in a notice effecting later election filed with the International Bureau on:	
2.	The election X was	· ·
	was not	
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).	
) 		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Jean-Marie McAdams

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

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### PATENT COOPERATION TREATY

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### **PCT**

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 183-109(PCT)	FOR FURTHER ACTION		of Transmittal of International		
International application No.	International filing date (day/mo				
PCT/US99/04412	01 MARCH 1999	• •	MARCH 1998		
International Patent Classification (IPC) or national classification and IPC IPC(7): A61K 31/445 and US Cl.: 514/315, 327					
Applicant MARGOLIN, SOLOMON B.	· · · · · · · · · · · · · · · · · · ·				
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> <li>This REPORT consists of a total of sheets.</li> <li>This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</li> </ol>					
These annexes consist of a to	tal of V sheets.				
These annexes consist of a total of sheets.  3. This report contains indications relating to the following items:  I X Basis of the report  II Priority  III Non-establishment of report with regard to novelty, inventive step or industrial applicability  IV Lack of unity of invention  V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement  VI Certain documents cited  VII Certain defects in the international application  VIII Certain observations on the international application					
Date of submission of the demand	Date of submission of the demand  Date of completion of this report				
18 OCTOBER 1999	06	APRIL 2000	_		
Name and mailing address of the IPEA/US  Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231  Facsimile No. (703) 305-3230  Authorized officer  KEVIN E. WEDDINGTON  Telephone No. (703) 308-1235					

Form PCT/IPEA/409 (cover sheet) (July 1998)★

International application No.

L B	asis of the r	eport		
1. With	regard to the	elements of the intern	national application:*	
x	•	ional application a		
×	the descript			
	pages	1-23		, as originally filed
	pages			, filed with the demand
	pages		, filed with the letter of	
X	the claims: pages	24-29		as anisimally filed
	pages		, as amended (together wi	, as originally filed
	pages			, filed with the demand
	pages	*****	, filed with the letter of	
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X	the drawing	NONTE		
	pages	NONE		
	pages	MONTE		, filed with the demand
	pages	TOTAL	, filed with the letter of	
$\mathbf{x}$	the sequenc	e listing part of the	description:	
ш	pages	NONE	~	, as originally filed
	pages	NONE		, filed with the demand
	pages	NONE	, filed with the letter of	
	• •	•	the international application (under Rule 4	· //
Ш	the language or 55.3).	of the translation fur	mished for the purposes of international prelimin	nary examination (under Rules 55.2 and
3. Wit	h regard to a	ny nucleotide and/e	or amino acid sequence disclosed in the inter	national application, the international
	•	-	d out on the basis of the sequence listing:	
$\dot{\Box}$		. Al-a :AA:1	1:4: ::-4 6	
			application in printed form.	
닐	_		tional application in computer readable for	n.
	-		Authority in written form.	
Ц			Authority in computer readable form.	
	The statement international	nt that the subseque application as filed	ently furnished written sequence listing does r I has been furnished.	not go beyond the disclosure in the
	The statemen	t that the informationed.	n recorded in computer readable form is identic	al to the writen sequence listing has
4 X	The amenda	ments have resulted	d in the cancellation of:	
	X the de	escription, pages	NONE	•
	<b>T</b>	aims, Nos.	NONE	
		awings, sheets/fig	NONE	
5.	This report h	as been drawn as if (	(some of) the amendments had not been made, s	ince they have been considered to go
_	•		s indicated in the Supplemental Box (Rule 70.2(c	,
in th	is report as '	which have been fur "riginally filed" and	nished to the receiving Office in response to an in d are not annexed to this report since they do	vitation under Article 14 are referred to not contain amendments (Rules 70.16
	70.17). replacement	sheet containing suc	ch amendments must be referred to under item	1 and annexed to this report.

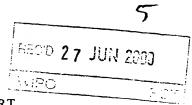
International application No.

V. Reasoned statement und r Article 35 citations and explanations supporting	(2) with rega	rd to novelty, inventive step or industri ent	al applicability;
1. statement			
Novelty (N)	Claims Claims	1-18 NONE	YES
Inventive Step (IS)	Claims Claims	NONE 1-18	YES
Industrial Applicability (IA)	Claims	1-18	YES
	Claims	NONE	NO
The instant invention differs from the of the active compound and the carriers as secompound having optimum effect against fun	he cited reference t forth in claim gi is well with mum amounts	pplicants' instant compounds, 2-(1H) pyridones ces in that the cited references do not teach the s 7-9 and 16-18. However, to determine an an a the level of one having ordinary skill in the s o get the maximum effect of the active compo-	specific amounts nount of the active art, and the artisan



# . ATENT COOPERATION TREATY

### **PCT**



#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 183-109(PCT)		Notification of Transmittal of International ninary Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/month/ye	ar) Priority date (day/month/year)		
PCT/US99/04412	01 MARCH 1999	17 MARCH 1998		
International Patent Classification (IPC) IPC(7): A61K 31/445 and US Cl.: 5	or national classification and IPC 14/315, 327			
Applicant MARGOLIN, SOLOMON B.				
Authority and is transmitted	to the applicant according to Article	d by this International Preliminary Examining 2 36.		
	<del></del>			
been amended and are the (see Rule 70.16 and Sec	ne basis for this report and/or sheets contion 607 of the Administrative Instruct	e description, claims and/or drawings which have ntaining rectifications made before this Authority. ions under the PCT).		
These annexes consist of a to	otal of <u>Sheets.</u>			
3. This report contains indication	ns relating to the following items:			
I X Basis of the repo	rt			
II Priority				
III Non-establishmer	III Non-establishment of report with regard to novelty, inventive step or industrial applicability			
IV Lack of unity of	invention			
	ent under Article 35(2) with regard to an anations supporting such statement	novelty, inventive step or industrial applicability;		
VI Certain documents	cited			
VII Certain defects in	the international application			
VIII Certain observation	ns on the international application	,		
		CORRECTED		
·		VERSION		
		VEITSION		
Date of submission of the demand	Date of com	pletion of this report		
18 OCTOBER 1999	31 MAY	2000		
Name and mailing address of the IPEA/	US Authorized o	fficer.		
Commissioner of Patents and Trader Box PCT Washington, D.C. 20231	KEVIN	KEVIN E. WEDDINGTON		
Facsimile No. (703) 305-3230	Telephone N			



International	application	No.

I.	Basis of the	report			
1. V	With regard to the	elements of the internation	onal application:*		
		tional application as o			
	<b>=</b>				
L	x the descrip				, as originally filed
	pages				
	pages	NONE		filed with the letter of	
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L	x the claims				
	pages				, as originally filed
	pages				y statement) under Article 19
	pages pages	<del></del>		ne letter of	
	pages		_ , med with th		
Γ	x the drawin	ıgs:			
	pages	none			, as originally filed
	pages				, filed with the demand
	pages	NONE	, fil	ed with the letter of	4
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	pages				
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	pages		, 111	ed with the letter of	
	the langua	ge of publication of the	e international ap	rposes of international search pplication (under Rule 48.3(b) s of international preliminary examples.	)).
	_	=	_	ence disclosed in the internatio of the sequence listing:	nal application, the international
	contained i	in the international app	olication in printe	ed form.	
Г			-	computer readable form.	
_ 	=======================================	subsequently to this A		•	
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L					as bound the displacure in the
L	internation:	al application as filed h	ias been furnished	d.	go beyond the disclosure in the
	The statement been furnish	ent that the information hed.	recorded in comp	uter readable form is identical to	o the writen sequence listing has
4.[	X The amen	dments have resulted i	n the cancellation	n of:	
	X	description, pages	NONE		
	$\overline{\mathbf{x}}$	claims, Nos.	NONE		
		drawings, sheets <del>/fig</del>	NONE		
5.		-		description bad was beauty	a share harea harm arms!!! s
*   i	beyond the Replacement sheet in this report as	e disclosure as filed, as i	indicated in the Su shed to the receiving	pplemental Box (Rule 70.2(c)).*  g Office in response to an invitat	they have been considered to go  **  ion under Article 14 are referred to contain amendments (Rules 70.16
	mil 70.17). Anv renlacemen	nt sheet containing such	amendments must	he referred to under item 1 an	nd annexed to this report



International application No.

Novelty (N)		Claims	1-18	Y
		Claims	NONE	3.1
Inventive Step (	IS)	Claims	7-9 and 16-18	Y
, , , , , , , , , , , , , , , , , , , ,	,	Claims	1-6 and 10-15	
	1.77.	Claims	1-18	Y
Industrial Applic	cability (IA)	Claims	NONE	N
Claims 1-18 meet the cr Claims 1-6 and 10-15 la 5,179,098) or Clough et	riteria set out in PCT ack an inventive step t al. (US 5,314,892).	Article 33(4) auunder PCT Arti	nunts of the active compounds and carriers having industrial applicability in the phar cle 33(3) as being obvious over Gadekar, pplicants' instant compounds, 2-(1H) pyrid	maceutical art. Clough et al. (US
can be formulated into version in the version of th	CITATIONS			

#### INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/04412

A. CLA	A. CLASSIFICATION OF SUBJECT MATTER				
IPC(6)	:A61K 31/445		i		
US CL	:514/315, 327				
According	to International Patent Classification (IPC) or to both	national classification and IPC			
	LDS SEARCHED	·			
Minimum d	ocumentation searched (classification system followe	ed by classification symbols)			
U.S. :	514/315, 327				
D					
NONE	tion searched other than minimum documentation to th	e extent that such documents are included	in the fields searched		
NONE					
Electronic d	lata base consulted during the international search (no	ame of data base and where practicable	annesh towns and the		
	LINE, APS	- where practicable,	scarcii terms used)		
	2.1.2, 0				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X	US 3,974,281 A (GADEKAR) 10 A	August 1976, see the entire	1-18		
	document.	, , , , , , , , , , , , , , , , , , ,	1 10		
X	US 5,179,098 A (CLOUGH et al.) 12	January 1993, see the entire	1-18		
	document.	-			
			.		
X	US 5,314,892 A (CLOUGH et al.) 2	24 May 1994, see the entire	1-18		
	document.				
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Furth	er documents are listed in the continuation of Box C				
<del></del>	point categories of cited documents:				
	cument defining the general state of the art which is not considered	"T" later document published after the inte- date and not in conflict with the appli	cation but cited to understand		
to I	be of particular relevance	the principle or theory underlying the  "X"  document of particular relevance: the			
	lier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone	ed to involve an inventive step		
cite	nument which may throw doubts on priority claim(s) or which is ted to establish the publication date of another citation or other scial reason (as specified)		alaimed investiss as		
	cument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive	step when the document is		
means being obvious to a person skilled in the art					
*P* document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed					
Date of the actual completion of the international search  Date of mailing of the international search report					
05 MAY 1999 14 MAY 1999					
	nailing address of the ISA/US	Authorized officer	JOYCE BRIDGERS		
Box PCT	ner of Patents and Trademarks	KEVINE WEDDINGTON	PARALEGAL SPECIALIST		
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